o YDO



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Revised 01/29/2002

1

RAW SEQUENCE LISTING PATENT APPLICATION US/10/090,182

DATE: 03/27/2002 TIME: 02:56:27

INPUT SET: S36813.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

1		SEQUENCE LISTING
2	(1) G	eneral Information:
4	(1)	From A. C. A. C.
5 5 7 8 9	(i)	eneral Information: APPLICANT: Abrams, Mark A. Bauer, S. C. Braford-Goldberg, Sarah R. Caparon, Maire H. Easton, Alan M.
10 11 12 13 14		Klein, Barbara K. McKearn, John P. Olins, Peter O. Paik, Kumnan Thomas, John W.
16	(ii)	TITLE OF INVENTION: Methods of Ex-vivo Expansion of Hematopoietic Cells
17		
18 19	(111)	NUMBER OF SEQUENCES: 415
20 21 22 23 24 25 26 27 28	(iv)	NUMBER OF SEQUENCES: 415 CORRESPONDENCE ADDRESS: (A) ADDRESSEE: S. Christopher Bauer, Pharmacia Corp Corporate Patent Dept. Mail Zone O4E (B) STREET: 800 N. Lindbergh Blvd. (C) CITY: St. Louis (D) STATE: Missouri (E) COUNTRY: USA (F) ZIP: 63167
29 30 31 32 33 34	(v)	COMPUTER READABLE FORM: (A) MEDIUM TYPE: Floppy disk (B) COMPUTER: IBM PC compatible (C) OPERATING SYSTEM: PC-DOS/MS-DOS (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
35 36 37 38 39	(vi)	CURRENT APPLICATION DATA: (A) APPLICATION NUMBER: (B) FILING DATE: 04-MAR-2002 (C) CLASSIFICATION:
40 41 42 43	(vii)	PRIOR APPLICATION DATA: (A) APPLICATION NUMBER: 08/764,114 (B) FILING DATE: 09-DEC-1996
44	, ,	PRIOR APPLICATION DATA:

RAW SEQUENCE LISTING PATENT APPLICATION US/10/090,182

DATE: 03/27/2002

TIME: 02:56:28

INPUT SET: S36813.raw

46		(B) FILING DATE: 24-NOV-1992
47		
48	(vii)	PRIOR APPLICATION DATA:
49		(A) APPLICATION NUMBER: PCT/US93/11197
50		(B) FILING DATE: 22-NOV-1993
51		
52	(vii)	PRIOR APPLICATION DATA:
53		(A) APPLICATION NUMBER: 08/411,795
54		(B) FILING DATE: 04-JUN-1995
55		
56	(viii)	ATTORNEY/AGENT INFORMATION:
57		(A) NAME: S. Christopher Bauer
58		(B) REGISTRATION NUMBER: 42,305
59		(C) REFERENCE/DOCKET NUMBER: C2713/12
60		
61	(ix)	TELECOMMUNICATION INFORMATION:
62		(A) TELEPHONE: (636)737-6257
63		(B) TELEFAX: (736)737-6257
64		

ERRORED SEQUENCES FOLLOW:

2099 2100	(2) INFORMATION FOR SEQ ID NO:18:
2100 2101 2102 2103 2104 2105	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 133 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear
2106 2107 2108	(ii) MOLECULE TYPE: peptide
2109 2110 2111 2112 2113 2114	<pre>(ix) FEATURE:</pre>
3115 2116 2117 2118 2119 2120	<pre>(ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 17 (D) OTHER INFORMATION: /note= "Xaa at position 17 is Ser,</pre>
2121 2122 2123 2124 2125 2126	<pre>(ix) FEATURE: (A) NAME/KEY: Modified site (B) LOCATION: 18 (D) OTHER INFORMATION: /note= "Xaa at position 18 is Asn,</pre>

RAW SEQUENCE LISTING PATENT APPLICATION US/10/090,182

DATE: 03/27/2002 TIME: 02:56:28

2127	(ix)	FEATURE:
2128		(A) NAME/KEY: Modified-site
2129		(B) LOCATION: 23
2130		(D) OTHER INFORMATION: /note= "Xaa at position 23 is Ile,
2131		Ala, Leu, or Gly"
2132		
2133	(ix)	FEATURE:
2134	,,	(A) NAME/KEY: Modified-site
2135		(B) LOCATION: 25
2136		(D) OTHER INFORMATION: /note= "Xaa at position 25 is Thr,
2137		His, or Gln"
2138		mis, or orn
2139	(ix)	FEATURE:
	(TX)	(A) NAME/KEY: Modified-site
2140		
2141		(B) LOCATION: 26
2142		(D) OTHER INFORMATION: /note= "Xaa at position 26 is His
2143		or Ala"
2144		
2145	(ix)	FEATURE:
2146		(A) NAME/KEY: Modified-site
2147		(B) LOCATION: 29
2148		(D) OTHER INFORMATION: /note="Xaa at position 29 is Gln
2149		or Asn"
2150		
2151	(ix)	FEATURE:
2152		(A) NAME/KEY: Modified-site
2153		(B) LOCATION: 30
2154		(D) OTHER INFORMATION: /note= "Xaa at position 30 is Pro
2155		or Gly"
2156		•
2157	(ix)	FEATURE:
2158	,,	(A) NAME/KEY: Modified-site
2159		(B) LOCATION: 32
2160		(D) OTHER INFORMATION: /note= "Xaa at position 32 is Leu,
2161		Arg, Asn, or Ala"
2162		rig, risii, oi riid
2163	(iv)	FEATURE:
2164	(11)	(A) NAME/KEY: Modified-site
2165		(B) LOCATION: 34
2166		(D) OTHER INFORMATION: /note= "Xaa at position 34 is Leu,
		Val, Ser, Ala, Arg, Gln, Glu, Ile, Phe, Thr, or Met"
2167		vai, ser, Aia, Aig, Gin, Giu, Tie, Phe, Thi, Or Mec
2168	/ N	
2169	(1X)	FEATURE:
2170		(A) NAME/EEY: Modified-site
2171		(B) LOCATION: 35
2172		(D) OTHER INFORMATION: /note= "Xaa at position 35 is Leu,
2173		Ala, Asn, or Pro"
2174		
2175	(ix)	FEATURE.
2176		(A) NAME/KEY: Modified-site
2177		(B) LOCATION: 38
2178		(D) OTHER INFORMATION: /note= "Xaa at position 38 is Asn
2179		or Ala"

RAW SEQUENCE LISTING PATENT APPLICATION US/10/090,182

DATE: 03/27/2002 TIME: 02:56:28

2180		
2181	(ix)	FEATURE:
2182		(A) NAME/KEY: Modified-site
2183		(B) LOCATION: 42
2184		(D) OTHER INFORMATION: /note= "Xaa at position 42 is Gly,
2185		Asp, Ser, Ala, Asn, Ile, Leu, Met, Tyr, or Arg"
2186		1105, 202, 1124, 1124, 222, 200, 1124, 1124, 1124
2187	(iv)	FEATURE:
2188	(121)	(A) NAME/KEY: Modified-site
2189		(B) LOCATION: 45
2190		(D) OTHER INFORMATION: /note= "Xaa at position 45 is Gln,
2191		Val, Met, Leu, Ala, Asn, Glu, or Lys"
2192	(!)	
2193	(1X)	FEATURE:
2194		(A) NAME/KEY: Modified-site
2195		(B) LOCATION: 46
2196		(D) OTHER INFORMATION: /note= "Xaa at position 46 is Asp,
2197		Phe, Ser, Gln, Glu, His, Val, or Thr"
2198		
2199	(ix)	FEATURE:
2200		(A) NAME/KEY: Modified-site
2201		(B) LOCATION: 50
2202		(D) OTHER INFORMATION: /note= "Xaa at position 50 is Glu,
2203		Asn, Ser, or Asp"
2204		
35	$\langle \mathbf{x} \mathbf{x} \rangle$	FEATURE:
2206		(A) NAME/KEY: Modified-site
2207		(B) LOCATION: 51
2208		(D) OTHER INFORMATION: /note= "Xaa at position 51 is Asn,
2209		Arg, Pro, Thr, or His"
2210		
2211	(ix)	FEATURE:
2212		(A) NAME/KEY: Modified-site
2213		(B) LOCATION: 55
2214		(D) OTHER INFORMATION: /note= "Xaa at position 55 is Arg,
2215		Leu, or Gly"
2216		204, 02 021
2217	(ix)	FEATURE:
2218	(130)	(A) NAME/KEY: Modified-site
2219		(B) LOCATION: 56
2220		(D) OTHER INFORMATION: /note= "Xaa at position 56 is Pro,
2021		<u>-</u>
		Gly, Ser, Ala, Asn, Val, Leu, or Gln"
2222	(5 25)	FEATURE:
2223 2224	(IX)	
		(A) NAME/KEY: Modified-site
2225		(B) LOCATION: 62
2026		(D) OTHER INFORMATION: /note= "Yaa at position 62 is Asn
2227		Pro, or Thr"
2028	,	
2229	(lx)	FEATURE:
2030		(A) NAME/KEY: Modified-site
2231		(B) LOCATION: 64
5535		(D) OTHER INFORMATION: /note= "Xaa at position 64 is Ala



RAW SEQUENCE LISTING PATENT APPLICATION US/10/090,182

DATE: 03/27/2002 TIME: 02:56:29

2034 2036 (ix) FEATURE: 2036 (A) NAME/REY: Modified-site 2037 (B) LOCATION: 65 2038 (D) OTHER INFORMATION: /note= "Xaa at position 65 is Val 2039 2040 2041 (ix) FEATURE: 2042 (A) NAME/KEY: Modified-site 2043 (B) LOCATION: 67 2044 (D) OTHER INFORMATION: /note= "Xaa at position 67 is Ser 2046 2041 (ix) FEATURE: 2046 2047 (ix) FEATURE: 2048 (A) NAME/KEY: Modified-site 2049 (B) LOCATION: 68 2050 (D) OTHER INFORMATION: /note= "Xaa at position 68 is Leu 2052 2053 (ix) FEATURE: 2054 (A) NAME/KEY: Modified-site 2055 (B) LOCATION: 69 2050 (ix) FEATURE: 2051 (A) NAME/KEY: Modified-site 2052 (B) LOCATION: 69 2053 (Ix) FEATURE: 2054 (A) NAME/KEY: Modified-site 2055 (B) LOCATION: 70 2057 Ala, Glu, or Arg" 2058 2059 (ix) FEATURE: 2060 (A) NAME/KEY: Modified-site 2061 (B) LOCATION: 76 2062 (D) OTHER INFORMATION: /note= "Xaa at position 76 is Ser, 2064 2064 2064 2065 (A) NAME/KEY: Modified-site 2066 (A) NAME/KEY: Modified-site 2067 (B) LOCATION: 77 2068 (D) OTHER INFORMATION: /note= "Xaa at position 77 is Ile 2069 2070 2071 (ix) FEATURE: 2060 (A) NAME/KEY: Modified-site 2072 (B) LOCATION: 77 2068 (D) OTHER INFORMATION: /note= "Xaa at position 77 is Ile 2079 2071 (ix) FEATURE: 2079 (ix) FEATURE: 2070 2071 (ix) FEATURE: 2071 (ix) FEATURE: 2072 (A) NAME/KEY: Modified-site 2073 (B) LOCATION: 90 2074 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2076 2077 (ix) FEATURE: 2078 (A) NAME/KEY: Modified-site 2079 (B) LOCATION: 90 2070 2071 (ix) FEATURE: 2072 (ix) FEATURE: 2073 (ix) FEATURE: 2074 (ix) FEATURE: 2075 (3) NAME/KEY: Modified-site 2076 (3) NAME/KEY: Modified-site 2077 (3) NAME/KEY: Modified-site 2078 (3) NAME/KEY: Modified-site 2079 (3) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2081 2082 (ix) FEATURE: 2083 (ix) FEATURE: 2084 (A) NAME/KEY: Modified-site (B) LOCATION: 80 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2081 2082 (E) LOCATION: 80 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2081 2082 (E) LOCATION: 80 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2084 (Ix) F	2233		or Asn"
(A) NAME/KEY: Modified-site			
(A) NAME/KEY: Modified-site	2235	(ix)	FEATURE:
(B) LOCATION: 65			(A) NAME/KEY: Modified-site
2239	2237		
2239	2238		(D) OTHER INFORMATION: /note= "Xaa at position 65 is Val
2240			
Cat			
C242		(ix)	FEATURE:
(B) LOCATION: 67 2044		(=== ,	
C244			
C245			
2246 2247 (ix) FEATURE: 2248 (A) NAME/KEY: Modified-site 2249 (B) LOCATION: 68 2250 (D) OTHER INFORMATION: /note= "Xaa at position 68 is Leu 2251 or Phe" 2252 2253 (ix) FEATURE: 2254 (A) NAME/KEY: Modified-site 2255 (B) LOCATION: 69 2256 (B) LOCATION: 69 2256 (D) OTHER INFORMATION: /note= "Xaa at position 69 is Gln, 2257 Ala, Glu, or Arg" 2258 2259 (ix) FEATURE: 2259 (ix) FEATURE: 2260 (A) NAME/KEY: Modified-site 2261 (B) LOCATION: 76 2262 (D) OTHER INFORMATION: /note= "Xaa at position 76 is Ser, 2264 (Ix) FEATURE: 2265 (Ix) FEATURE: 2266 (Ix) FEATURE: 2266 (Ix) FEATURE: 2267 (Ix) FEATURE: 2268 (Ix) FEATURE: 2269 (Ix) FEATURE: 2270 (Ix) FEATURE: 2271 (Ix) FEATURE: 2272 (Ix) FEATURE: 2273 (B) LOCATION: 79 2274 (Ix) FEATURE: 2275 (A) NAME/KEY: Modified-site 2276 (B) LOCATION: 79 2277 (Ix) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2276 (Ix) FEATURE: 2277 (Ix) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2276 (Ix) FEATURE: 2277 (Ix) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2276 (Ix) FEATURE: 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 (Ix) FEATURE: 2282 (Ix) FEATURE: 2283 (Ix) FEATURE: 2283 (Ix) FEATURE: 2283 (Ix) FEATURE: 2284 (A) NAME/KEY: Modified-site			
C247			
2248 (A) NAME/KEY: Modified-site 2249 (B) LOCATION: 68 2250 (D) OTHER INFORMATION: /note= "Xaa at position 68 is Leu 2251 or Phe" 2252 2253 (ix) FEATURE: 2254 (A) NAME/KEY: Modified-site 2255 (B) LOCATION: 69 2256 (D) OTHER INFORMATION: /note= "Xaa at position 69 is Gln, 2257 Ala, Glu, or Arg" 2258 2259 (ix) FEATURE: 2260 (A) NAME/KEY: Modified-site 2261 (B) LOCATION: 76 2262 (D) OTHER INFORMATION: /note= "Xaa at position 76 is Ser, 2263 Val, Asn, Pro, or Gly" 2264 2265 (ix) FEATURE: 2266 (A) NAME/KEY: Modified-site 2267 (B) LOCATION: 77 2268 (A) NAME/KEY: Modified-site 2269 (B) LOCATION: 77 2269 (D) OTHER INFORMATION: /note= "Xaa at position 77 is Ile 2269 or Leu" 2270 2271 (ix) FEATURE: 2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 90 2270 (227) (S) FEATURE: 2271 (A) NAME/KEY: Modified-site 2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 90 2274 (S) FEATURE: 2275 (A) NAME/KEY: Modified-site 2276 (B) LOCATION: 80 2277 (S) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 (S) FEATURE: 2283 (S) FEATURE: 2283 (S) FEATURE: 2283 (S) FEATURE: 2284 (A) NAME/KEY: Modified-site		(iv)	FFATTIRF.
C249		(17)	
2250			
2251			
2252 2253			
C253			or Phe
2254 (A) NAME/KEY: Modified-site 2255 (B) LOCATION: 69 2256 (D) OTHER INFORMATION: /note= "Xaa at position 69 is Gln, 2257 ala, Glu, or Arg" 2258 2259 (ix) FEATURE: 2260 (A) NAME/KEY: Modified-site 2261 (B) LOCATION: 76 2262 (D) OTHER INFORMATION: /note= "Xaa at position 76 is Ser, 2263 val, Asn, Pro, or Gly" 2264 (E) LOCATION: 77 2265 (Ix) FEATURE: 2266 (A) NAME/KEY: Modified-site 2267 (B) LOCATION: 77 2268 (D) OTHER INFORMATION: /note= "Xaa at position 77 is Ile 2269 or Leu" 2270 2271 (Ix) FEATURE: 2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (Ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 (B) LOCATION: /note= "Xaa at position 80 is Asn, 2282 2283 (Ix) FEATURE: 2283 (Ix) FEATURE: 2284 (A) NAME/KEY: Modified-site (A) NAME/KEY: Modified-site		()	
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2057			
Carrell			
Case			Ala, Glu, or Arg"
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Description			
2264 2265 (ix) FEATURE: 2266 (A) NAME/KEY: Modified-site 2267 (B) LOCATION: 77 2268 (D) OTHER INFORMATION: /note= "Xaa at position 77 is Ile 2269 or Leu" 2270 2271 (ix) FEATURE: 2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site			
2266 (ix) FEATURE: 2267 (B) LOCATION: 77 2268 (D) OTHER INFORMATION: /note= "Xaa at position 77 is Ile 2269 or Leu" 2270 2271 (ix) FEATURE: 2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site			Val, Asn, Pro, or Gly"
2266 (A) NAME/KEY: Modified-site 2267 (B) LOCATION: 77 2268 (D) OTHER INFORMATION: /note= "Xaa at position 77 is Ile 2269 or Leu" 2270 2271 (ix) FEATURE: 2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2278 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site			
2268 (B) LOCATION: 77 2268 (D) OTHER INFORMATION: /note= "Xaa at position 77 is Ile 2269 or Leu" 2270 2271 (ix) FEATURE: 2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	2265	(ix)	
2268 (D) OTHER INFORMATION: /note= "Xaa at position 77 is Ile 2269			
0269			
2271 (ix) FEATURE: 2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site			
2271 (ix) FEATURE: 2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 (ix) FEATURE: 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, Gly, Glu, or Arg" 2281 Gly, Glu, or Arg" 2282 (ix) FEATURE: 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site			or Leu"
2272 (A) NAME/KEY: Modified-site 2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	2270		
2273 (B) LOCATION: 79 2274 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, 2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	2271	(ix)	
CD74 (D) OTHER INFORMATION: /note= "Xaa at position 79 is Lys, Asn, Met, Arg, Ile, or Gly" CD76 (ix) FEATURE: CD78 (A) NAME/KEY: Modified-site CD79 (B) LOCATION: 80 CD80 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, Gly, Glu, or Arg" CD82 (ix) FEATURE: CD83 (ix) FEATURE: CD84 (A) NAME/KEY: Modified-site	2272		(A) NAME/KEY: Modified-site
2275 Asn, Met, Arg, Ile, or Gly" 2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	2273		
2276 2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	3274		(D) OTHER INFORMATION: /note= "Maa at position 79 is Lys,
2277 (ix) FEATURE: 2278 (A) NAME/KEY: Modified-site 2279 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	2275		Asn, Met, Arg, Ile, or Gly"
(A) NAME/KEY: Modified-site (B) LOCATION: 80 (C) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, (C) Gly, Glu, or Arg" (C) FEATURE: (A) NAME/KEY: Modified-site	2276		
0079 (B) LOCATION: 80 2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, C281 Gly, Glu, or Arg" 2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	2277	(ix)	FEATURE:
2280 (D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn, 2281 Gly, Glu, or Arg" 2282 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	2278		(A) NAME/KEY: Modified-site
C181 Gly, Glu, or Arg" C182 C183 (ix) FEATURE: C184 (A) NAME/KEY: Modified-site	2279		
2282 2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	2280		(D) OTHER INFORMATION: /note= "Xaa at position 80 is Asn,
2283 (ix) FEATURE: 2284 (A) NAME/KEY: Modified-site	2281		Gly, Glu, or Arg"
2284 (A) NAME/KEY: Modified-site	2282		
	2283	(ix)	FEATURE:
	2284		(A) NAME/KEY: Modified-site
	2285		(B) LOCATION: 82

RAW SEQUENCE LISTING PATENT APPLICATION US/10/090,182

DATE: 03/27/2002 TIME: 02:56:29

2286		(D) OTHER INFORMATION: /note= "Xaa at position 82 is Leu,
2287		Gln, Trp, Arg, Asp, Asn, Glu, His, Met, Phe, Ser,
2288		Thr, Tyr, or Val"
2289		
2290	(ix)	FEATURE:
2291		(A) NAME/KEY: Modified-site
2292		(B) LOCATION: 87
2293		(D) OTHER INFORMATION: /note= "Xaa at position 87 is Leu
2294		or Ser"
2295		
2296	(ix)	FEATURE:
2297		(A) NAME/KEY: Modified-site
2298		(B) LOCATION: 88
2299		(D) OTHER INFORMATION: /note= "Xaa at position 88 is Ala
2300		or Trp"
2301		•
2302	(ix)	FEATURE:
2303		(A) NAME/KEY: Modified-site
2304		(B) LOCATION: 91
2305		(D) OTHER INFORMATION: /note= "Xaa at position 91 is Ala
2306		or Pro"
2307		
2308	(ix)	FEATURE:
2309		(A) NAME/KEY: Modified-site
2310		(B) LOCATION: 93
2311		(D) OTHER INFORMATION: /note- "Xaa at position 93 is Thr,
2312		Asp, or Ala"
2313		* '
2314	(ix)	FEATURE:
2315		(A) NAME/KEY: Modified-site
2316		(B) LOCATION: 95
2317		(D) OTHER INFORMATION: /note= "Xaa at position 95 is His,
2318		Pro, Arg, Val, Gly, Asn, Ser, or Thr"
2319		
2320	(ix)	FEATURE:
2321		(A) NAME/KEY: Modified-site
2322		(B) LOCATION: 98
2323		(D) OTHER INFORMATION: /note= "Xaa at position 98 is His,
2324		Ile, Asn, Ala, Thr, Arg, Gln, Glu, Lys, Met, Ser,
2325		Tyr, Val, or Leu"
2326		
2327	(ix)	FEATURE:
2328		(A) NAME/KEY: Modified-site
2329		(B) LOCATION: 99
2330		(D) OTHER INFORMATION: /note= "Xaa at position 99 is Ile
2331		or Leu"
2532		
2333	(ix)	FEATURE:
2334		(A) NAME/KEY: Modified site
2335		(B) LOCATION: 100
2336		(D) OTHER INFORMATION: /note= "Xaa at position 100 is Lys
2337		or Arg"
2338		

RAW SEQUENCE LISTINGPATENT APPLICATION *US/10/090*,182 DATE: 03/27/2002 TIME: 02:56:29

2352 2353 2354 2355 2356 2357 2358 2359 2360 2361	(ix)	<pre>(A) NAME/KEY: Modified-site (B) LOCATION: 101 (D) OTHER INFORMATION: /note= "Xaa at position 101 is Asp,</pre>
2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361	(ix)	<pre>(D) OTHER INFORMATION: /note= "Xaa at position 101 is Asp,</pre>
2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361	(ix)	Pro, Met, Lys, Thr, His, Pro, Asn, Ile, Leu, or Tyr" FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 105 (D) OTHER INFORMATION: /note= "Xaa at position 105 is Asn, Pro, Ser, Ile, or Asp" FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 108 (D) OTHER INFORMATION: /note= "Xaa at position 108 is Arg, Ala, or Ser" FEATURE:
2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361	(ix)	<pre>FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 105 (D) OTHER INFORMATION: /note= "Xaa at position 105 is Asn,</pre>
2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361	(ix)	<pre>(A) NAME/KEY: Modified-site (B) LOCATION: 105 (D) OTHER INFORMATION: /note= "Xaa at position 105 is Asn,</pre>
2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361	(ix)	<pre>(A) NAME/KEY: Modified-site (B) LOCATION: 105 (D) OTHER INFORMATION: /note= "Xaa at position 105 is Asn,</pre>
2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361		<pre>(B) LOCATION: 105 (D) OTHER INFORMATION: /note= "Xaa at position 105 is Asn,</pre>
2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361		 (D) OTHER INFORMATION: /note= "Xaa at position 105 is Asn, Pro, Ser, Ile, or Asp" FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 108 (D) OTHER INFORMATION: /note= "Xaa at position 108 is Arg, Ala, or Ser" FEATURE:
2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361		Pro, Ser, Ile, or Asp" FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 108 (D) OTHER INFORMATION: /note= "Xaa at position 108 is Arg, Ala, or Ser" FEATURE:
2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361		FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 108 (D) OTHER INFORMATION: /note= "Xaa at position 108 is Arg, Ala, or Ser" FEATURE:
2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361		<pre>(A) NAME/KEY: Modified-site (B) LOCATION: 108 (D) OTHER INFORMATION: /note= "Xaa at position 108 is Arg, Ala,</pre>
2352 2353 2354 2355 2356 2357 2358 2359 2360 2361		<pre>(A) NAME/KEY: Modified-site (B) LOCATION: 108 (D) OTHER INFORMATION: /note= "Xaa at position 108 is Arg, Ala,</pre>
2353 2354 2355 2356 2357 2358 2359 2360 2361	(ix)	<pre>(B) LOCATION: 108 (D) OTHER INFORMATION: /note= "Xaa at position 108 is Arg, Ala,</pre>
2353 2354 2355 2356 2357 2358 2359 2360 2361	(ix)	<pre>(B) LOCATION: 108 (D) OTHER INFORMATION: /note= "Xaa at position 108 is Arg, Ala,</pre>
2354 2355 2356 2357 2358 2359 2360 2361	(ix)	or Ser" FEATURE:
2355 2356 2357 2358 2359 2360 2361	(ix)	or Ser" FEATURE:
2356 2357 2358 2359 2360	(ix)	
2357 2358 2359 2360 2361	, ===,	(A) NAME/KEY: Modified-site
2358 2359 2360 2361		(,,,
2359 2360 2361		(B) LOCATION: 109
2360 2361		(D) OTHER INFORMATION: /note= "Xaa at position 109 is Arg,
2361		Thr, Glu, Leu, or Ser"
1.5 h./	(ix)	FEATURE:
2363	((A) NAME/KEY: Modified-site
		(B) LOCATION: 112
		(D) OTHER INFORMATION: /note= "Xaa at position 112 is Thr
		or Gln"
		51 GI
	(iv)	FEATURE:
	(111)	(A) NAME/KEY: Modified-site
		(B) LOCATION: 116
		(D) OTHER INFORMATION: /note= "Xaa at position 116 is Lys,
		Val, Trp, Ala, His, Phe, Tyr, or Ile"
		var, rip, ara, mis, ric, ryr, or ric
	(iv)	FEATURE:
	(IX)	(A) NAME/KEY: Modified-site
		(B) LOCATION: 117
		(D) OTHER INFORMATION: /note= "Xaa at position 117 is Thr
		or Ser"
		01 501
	(iv)	FEATURE:
	(IX)	(A) NAME/KEY: Modified-site
		(B) LOCATION: 120
		(D) OTHER INFORMATION: /note= "Xaa at position 120 is Asn,
		Pro, Leu, His, Val, or Gln"
		IIO, Leu, HIB, vai, Or Gill
	(ix)	PRATTIDE.
	(12)	FEATURE: (A) NAME/KEY: Modified-site
		(B) LOCATION: 121
		(D) OTHER INFORMATION, POLO- MYSS St position 121 is Als
		(b) Other information: ;hote= had at position izi is Aid,
	(135)	Ser, Ile, Pro, or Asp struct
	2363 2364 2365 2366 2367 2368 2370 2371 2372 2373 2374 2375 2377 2378 2377 2378 2378 2381 2382 2383 2384 2385 2386 2387 2388 2388 2388 2388 2388 2388 2388	1384 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1387

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RAW SEQUENCE LISTING PATENT APPLICATION US/10/090,182

DATE: 03/27/2002 TIME: 02:56:30

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2394		(D)	OTF	HER I	INFO	RMAT:	ION:	/not	te=	"Xaa	at p	posit	cion	122	is (Gln,	
2395				Met,	, Tr	o, Pl	ne, 1	Pro,	His	, Ile	e, o	r Ty	r"				
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2397	(ix)	FEAT	TURE:	:													
2398		(A)	NAN	ME/KE	EY: N	Modit	fied	-site	9								
2399		(B)	LOC	CATIO	ON: 3	123											
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2406	Ala	Pro	Met	Thr	Gln	Thr	Thr	Ser	Leu	Lvs	Thr	Ser	Trp	Val	Asn	Cvs	
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2408	-				_												
2409	Vaa	Xaa	Mot	Tle	Asn	Glu	Yaa	Tle	Yaa	Yaa	Leu	Tave	Yaa	Xaa	Pro	Xaa	
2410	Aaa	лаа	Mec	20	Азр	GIU	лаа	110	25	лаа	пси	цуз	Naa	30	110	naa	
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2412	PIO	Xaa	35	Азр	FIIC	лаа	ASII	40	ASII	Aaa	Gru	App	45	лаа	110	пси	
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2418		Lys	хаа	хаа	хаа		Ala	ser	Ala	TTE		хаа	хаа	Leu	хаа		
2419	65					70					75					80	
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2421	Leu	Xaa	Pro	Cys		Pro	хаа	хаа	Thr		хаа	Pro	хаа	Arg		Pro	
2422					85					90					95		
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2424	IIe	Xaa	Xaa		хаа	GLY	Asp	Trp		Glu	Pne	хаа	хаа		ьeu	хаа	
2425				100					105					110			
2426							_									_	
2427	Phe	Tyr		Xaa	Xaa	Leu	Glu		Xaa	Xaa	Xaa	Gln		Thr	Thr	Leu	
2428			115					120					125				
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2430	Ser	Leu	Ala	Ile	Phe												
2431		130															
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13546	(2) INFO	RMATI	ON F	OR S	SEQ I	LD NO):366	:			,	ا بر					
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RAW SEQUENCE LISTING PATENT APPLICATION US/10/090,182

DATE: 03/27/2002

TIME: 02:56:30

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	13557 13558	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:366:		
	13559	(AI) BEQUENCE DESCRIPTION. BEQ ID NO. 300.		
	13560	ATGGCTAACT GCTCTATAAT GATCGATGAA ATTATACATC ACTTAAAGAG ACC	CACCTGCA 60)
	13561		-	
>	13562	CCTTCCCTGG ACCCGAACAA CCTCAATGCT GAAGACGTCG ATATCCTGAT GGA	ACGAAAC C(120	,121
	13563			
	13564	CTTCGACTTC CAAACCTGGA GAGCTTCGTA AGGGCTGTCA AGAACTTAGA AAA	ATGCATCA (18Ó	nos.
	13565			^ ^(7
	13566	GGTATTGAGG CAATTCTTCG TAATCTCCAA CCATGTCTGC CCTCTGCCAC GGC	CCGCACCC (240	i) off
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	13568	TCTCGACATC CAATCATCAT CAAGGCAGGT GACTGGCAAG AATTCCGGGA AAA	AACTGACG (300	/
	13569	mmomamomaa	(220	$ \setminus$ \setminus
	13570	TTCTATCTGG TTACCCTTGA GCAAGCGCAG GAACAACAG	(339	
	13571			/





SEQUENCE VERIFICATION REPORT PATENT APPLICATION *US/10/090*, *182*

DATE: 03/27/2002 TIME: 02:56:30

Line	Error	Original Text
2339 13549	Unknown or Misplaced Identifier Entered (339) and Calc. Seq. Length (340) differ	(ix) FEATURE;(A) LENGTH: 339 base pairs
13562	# of Sequences for line conflicts w/ running total	CCTTCCCTGG ACCCGAACAA CCTCAATGCT GAAGA